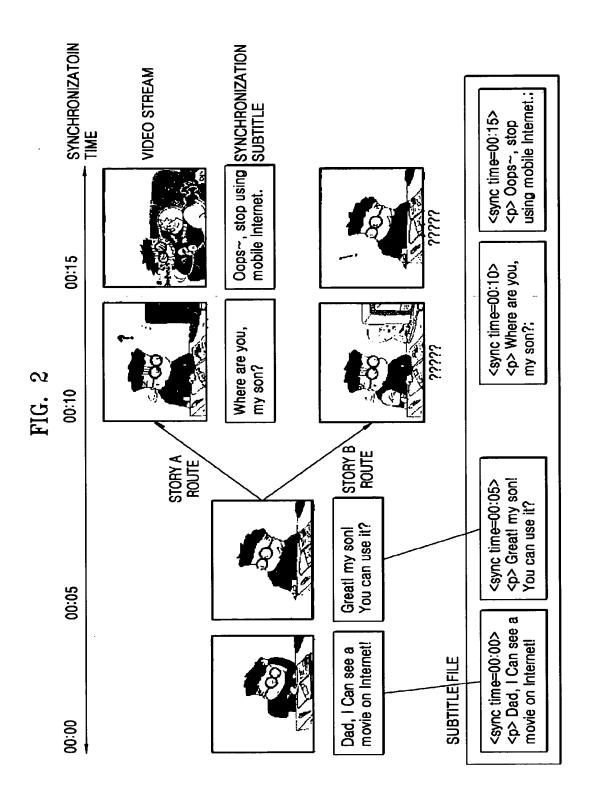


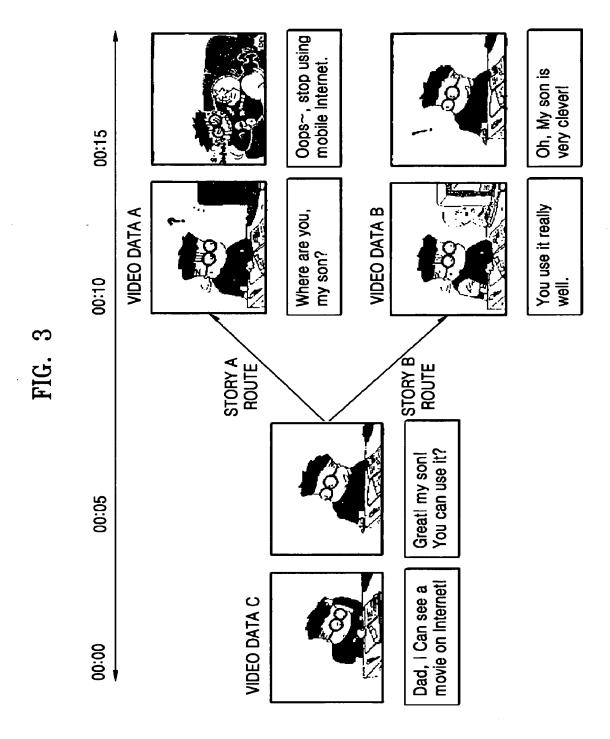
Replacement Sheet
U.S. National Phase
PCT/KR2004/002481

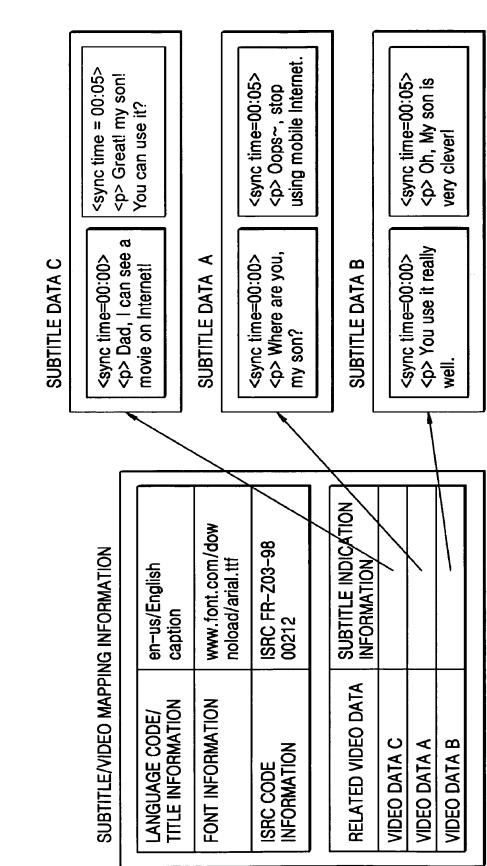
STORAGE MEDIUM FOR RECORDING SUBTITLE INFORMATION BASED ON TEXT CORRESPONDING TO AV DATA HAVING MULTIPLE
PLAYBACK ROUTES, REPRODUCING APPARATUS AND METHOD THEREFOR
Inventors: Hyun-Kwon CHUNG et al.
Docket No. 0001.1157



Replacement Sheet
U.S. National Phase
PCT/KR2004/002481

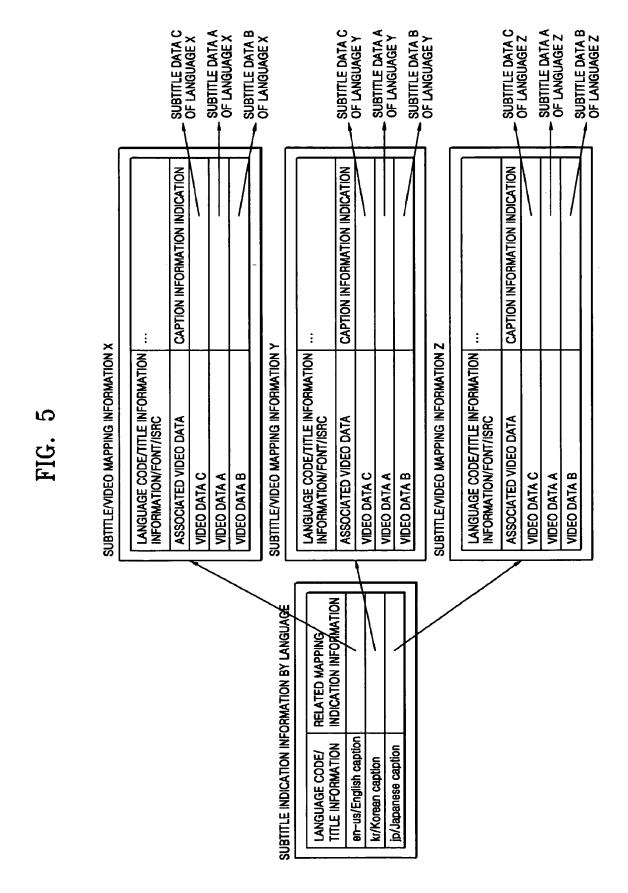
STORAGE MEDIUM FOR RECORDING SUBTITLE INFORMATION BASED ON TEXT CORRESPONDING TO AV DATA HAVING MULTIPLE
PLAYBACK ROUTES, REPRODUCING APPARATUS AND METHOD THEREFOR
Inventors: Hyun-Kwon CHUNG et al.
Docket No. 0001.1157





STORAGE MEDIUM FOR RECORDING SUBTITLE INFORMATION BASED ON TEXT CORRESPONDING TO AV DATA HAVING MULTIPLE PLAYBACK ROUTES, REPRODUCING APPARATUS AND METHOD THEREFOR Inventors: Hyun-Kwon CHUNG et al.

Docket No. 0001.1157



STORAGE MEDIUM FOR RECORDING SUBTITLE INFORMATION BASED ON TEXT CORRESPONDING TO AV DATA HAVING MULTIPLE PLAYBACK ROUTES, REPRODUCING APPARATUS AND METHOD THEREFOR Inventors: Hyun-Kwon CHUNG et al.

Docket No. 0001.1157

FIG. 6

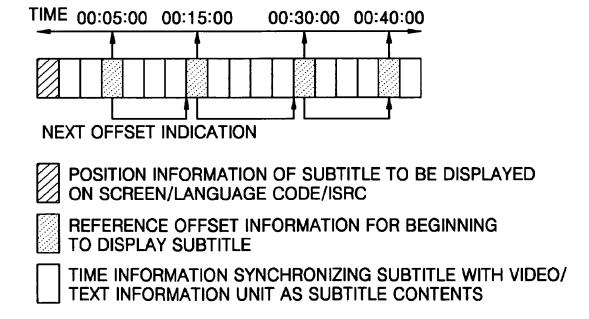
#### SUBTITLE DATA

POSITION INFORMATION OF SUBTITLE TO BE DISPLAYED ON SCREEN/LANGUAGE CODE/ISRC

REFERENCE OFFSET INFORMATION FOR RANDOM SEARCH

TIME INFORMATION SYNCHRONIZING SUBTITLE WITH VIDEO

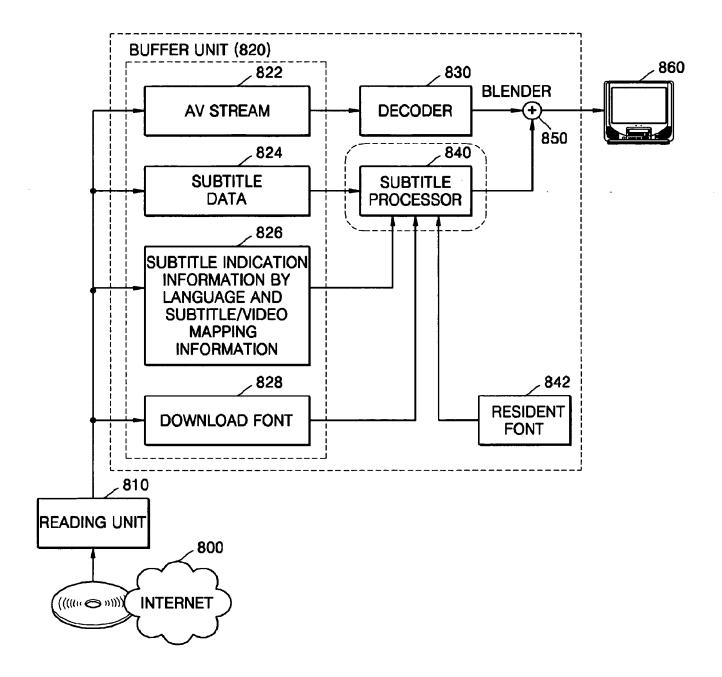
TEXT INFORMATION UNIT AS SUBTITLE CONTENTS



STORAGE MEDIUM FOR RECORDING SUBTITLE INFORMATION BASED ON TEXT CORRESPONDING TO AV DATA HAVING MULTIPLE PLAYBACK ROUTES, REPRODUCING APPARATUS AND METHOD THEREFOR

Inventors: Hyun-Kwon CHUNG et al. Docket No. 0001.1157

FIG. 8

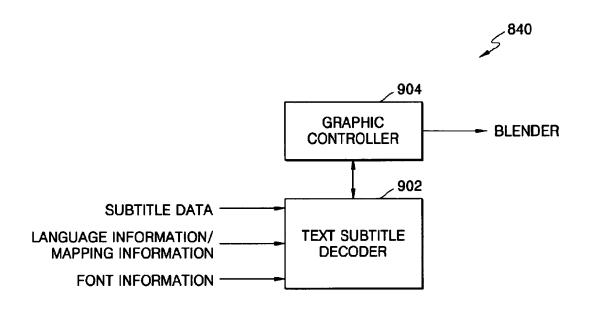


STORAGE MEDIUM FOR RECORDING SUBTITLE INFORMATION BASED ON TEXT CORRESPONDING TO AV DATA HAVING MULTIPLE PLAYBACK ROUTES, REPRODUCING APPARATUS AND METHOD THEREFOR

ķ

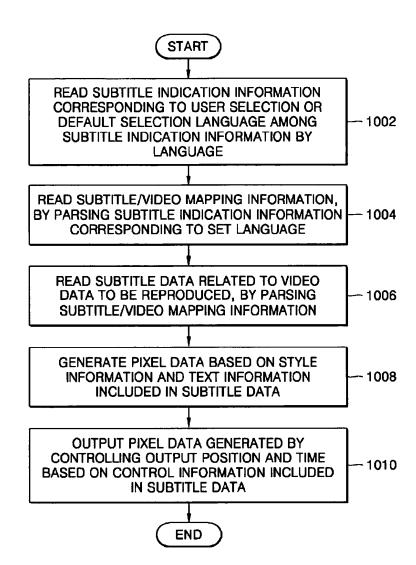
Inventors: Hyun-Kwon CHUNG et al. Docket No. 0001.1157

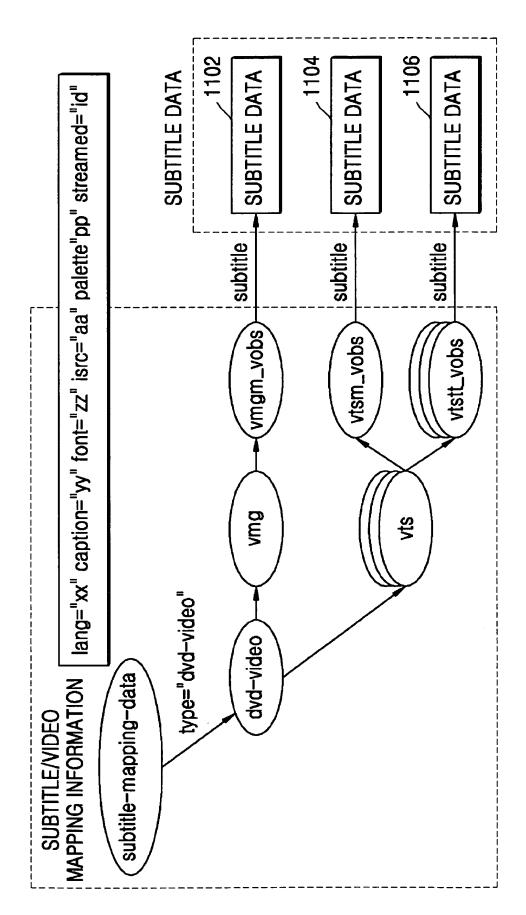
FIG. 9



STORAGE MEDIUM FOR RECORDING SUBTITLE INFORMATION BASED ON TEXT CORRESPONDING TO AV DATA HAVING MULTIPLE PLAYBACK ROUTES, REPRODUCING APPARATUS AND METHOD THEREFOR

Inventors: Hyun-Kwon CHUNG et al. Docket No. 0001.1157





٠<u>۲</u>٢

\*\* (H) \* \_

Inventors: Hyun-Kwon CHUNG et al. Docket No. 0001.1157

```
<subtitle-mapping-data type="dvd-video" lang="en-us" caption="English caption"</pre>
font="http://www.font.com/download/arial.ttf"
                                                isrc="
                                                          ISRC
                                                                   FR-Z03-98-00212*
streamid="32">
<odvd-video>
<palette>
        <color Index="0" yuv="296ef0" />
        <color index="1 yuv="108080" />
        <color index="2 yuv="3b8080" />
        <color index="3 yuv="668080" />
        <color index="4 yuv="918080" />
        <color Index="5 yuv="bc8080" />
        <color index="6 yuv="eb8080" />
        <color index="7 yuv="108080" />
        <color index="8 yuv="108080" />
        <color index="9 yuv="108080" />
        <color index="10" yuv="108080" />
        <color index="11" yuv="108080" />
        <color index="12" yuv="108080" />
        <color index="13" yuv="108080" />
        <color index="14" yuv="108080" />
        <color index="15" yuv="108080" />
</palette>
<vmg>
        <vmgm_vobs>
                <subtitle vob_idn="1" href="flle://engish_vmgm.text" /> — 1202
        </vmgm_vobs>
</vmg>
<vts idn="1">
       <vtsm_vobs>
                <subtitle vob_idn="1" href=" file://english_vtsm.text" /> --- 1204
        </vtsm_vobs>
       <vtstt_vobs>
                <subtitle vob_idn="1-9" href=" file://english_tt1vob1.text" />
                                                                                  1206
                <subtitle vob_idn="10-49" href=" file://english_tt1vob10.text" />
                <subtitle vob_idn="50-100" href=" file://english_tt1vob50.text" /> ;
        </vtstt_vobs>
</vts>
</dvd-video>
</subtitle-mapping-data>
```

# FIG. 1:

LANGUAGE (EXAMPLE. en-us)			
SUBTITLE TITLE (EXAMPLE. English caption)	רaption)		
FONT INFORMATION (EXAMPLE, http://www.font.com/downlocd/arial.tff)	tp://www.font.com/downlo	:d/arial.tff)	
ISRC (EXAMPLE, ISRC FR-Z03-98-00212)	-00212)		
PALETTE INFORMATION			
STREAM ID INFORMATION			
VOBS INDICATION INFORMATION	VOB INDICATION	SUBTITLE DATA POSITION INFORMATION	1302
(EXAMPLE, VMGM_VOBS)	INFORMATION(1)	(EXAMPLE, file://english_vmgm.txt)	300
VOBS INDICATION INFORMATION	VOB INDICATION	SUBTITLE DATA POSITION INFORMATION	
(EXAMPLE, VTSM_VOBS)	INFORMATION(1)	(EXAMPLE, file://english_vtsm.text)	1304
VOBS INDICATION INFORMATION	VOB INDICATION	SUBTITLE DATA POSITION INFORMATION	_
(EXAMPLE, VTSTT_VOBS)	INFORMATION(1-9)	(EXAMPLE, file://english_tt1vob1.text)	
VOBS INDICATION INFORMATION	VOB INDICATION	SUBTITLE DATA POSITION INFORMATION	4206
(EXAMPLE, VTSTT_VOBS)	INFORMATION(10-49)	(EXAMPLE, file://english_tt1vob10.text)	0061
VOBS INDICATION INFORMATION	VOB INDICATION	SUBTITLE DATA POSITION INFORMATION	
(EXAMPLE, VTSTT_VOBS)	INFORMATION(50-100)	(EXAMPLE, file://english_tt1vob50.text)	<u> </u>

## FIG. 14

#### SUBTITLE DATA

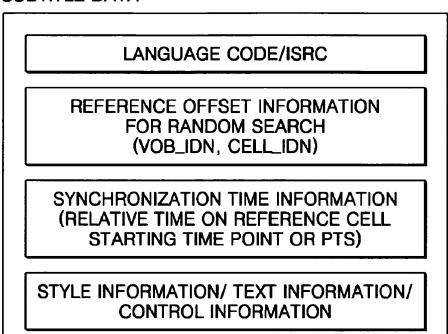
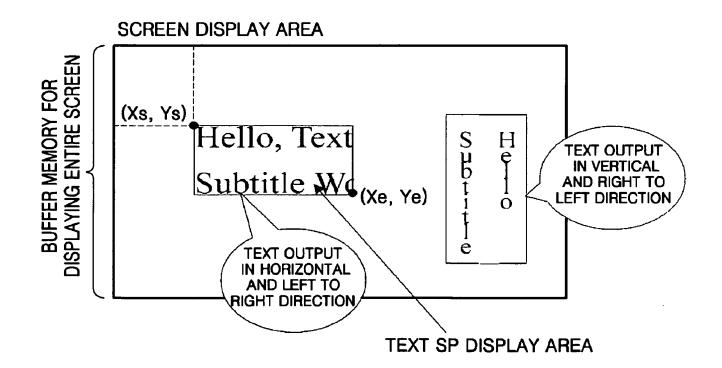


FIG. 15A



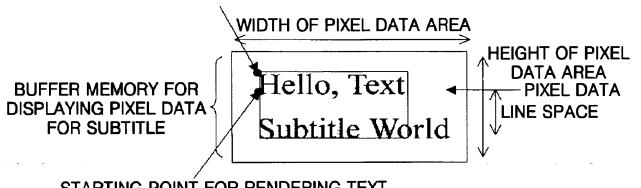
Replacement Sheet U.S. National Phase PCT/KR2004/002481

STORAGE MEDIUM FOR RECORDING SUBTITLE INFORMATION BASED ON TEXT CORRESPONDING TO AV DATA HAVING MULTIPLE PLAYBACK ROUTES, REPRODUCING APPARATUS AND METHOD THEREFOR

Inventors: Hyun-Kwon CHUNG et al. Docket No. 0001.1157

# FIG. 15B

#### **DISPLAY START OFFSET**



STARTING POINT FOR RENDERING TEXT

Replacement Sheet

FIG. 10

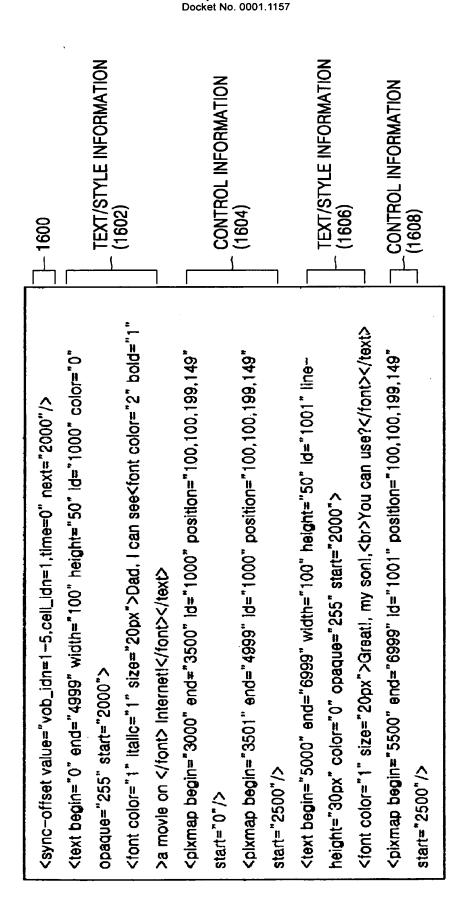
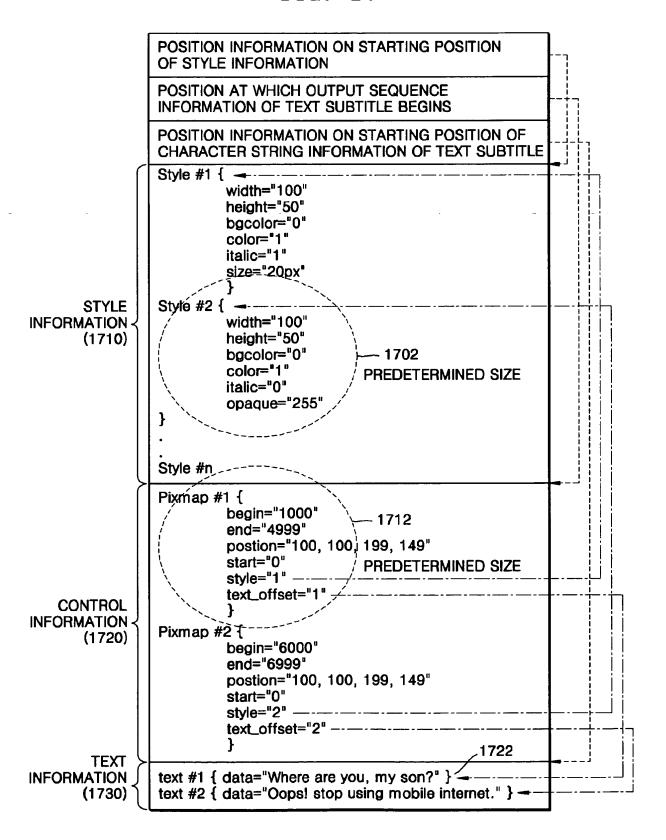
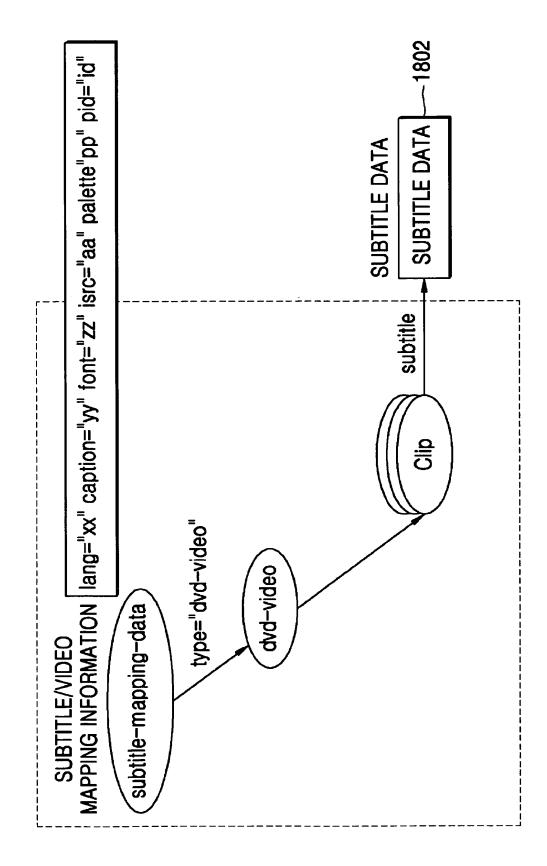


FIG. 17





Replacement Sheet U.S. National Phase PCT/KR2004/002481

STORAGE MEDIUM FOR RECORDING SUBTITLE INFORMATION BASED ON TEXT CORRESPONDING TO AV DATA HAVING MULTIPLE PLAYBACK ROUTES, REPRODUCING APPARATUS AND METHOD THEREFOR

Inventors: Hyun-Kwon CHUNG et al. Docket No. 0001.1157

## FIG. 19

LANGUAGE (EXAMPLE, en-us)			
SUBTITLE TITLE (EXAMPLE, English caption)			
FONT INFORMATION (EXAMPLE, http://www.font.com/downlocd/arial.tff)			
ISRC (EXAMPLE에, ISRC FR-Z03-98-00212)			
PID INFORMATION			
CLIP INDICATION INFORMATION (0001.clipi)	SUBTITLE DATA POSITION INFORMATION	]`	)
	(EXAMPLE, file://english_001.text)		
CLIP INDICATION INFORMATION (0001.clipi)	SUBTITLE DATA POSITION INFORMATION		<b>≥ 2002</b>
	(EXAMPLE,file://english_002.text)	]	2002
CLIP INDICATION INFORMATION (0001.clipi)	SUBTITLE DATA POSITION INFORMATION		
	(EXAMPLE,file://english_003.text)	]_	J

Inventors: Hyun-Kwon CHUNG et al. Docket No. 0001.1157

## FIG. 21

#### SUBTITLE DATA

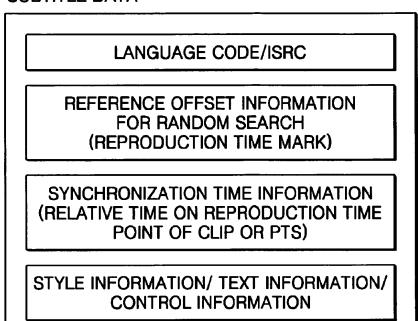
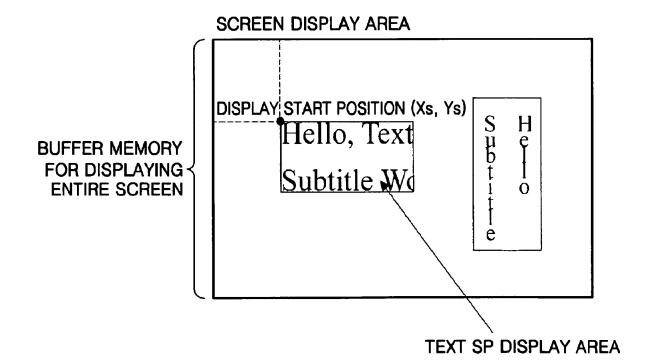


FIG. 22A

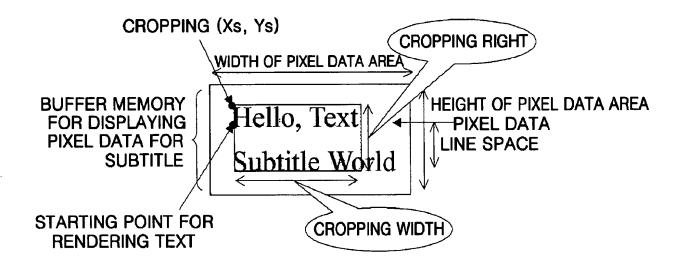


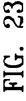
Replacement Sheet U.S. National Phase PCT/KR2004/002481

STORAGE MEDIUM FOR RECORDING SUBTITLE INFORMATION BASED ON TEXT CORRESPONDING TO AV DATA HAVING MULTIPLE PLAYBACK ROUTES, REPRODUCING APPARATUS AND METHOD THEREFOR

Inventors: Hyun-Kwon CHUNG et al. Docket No. 0001.1157

# FIG. 22B





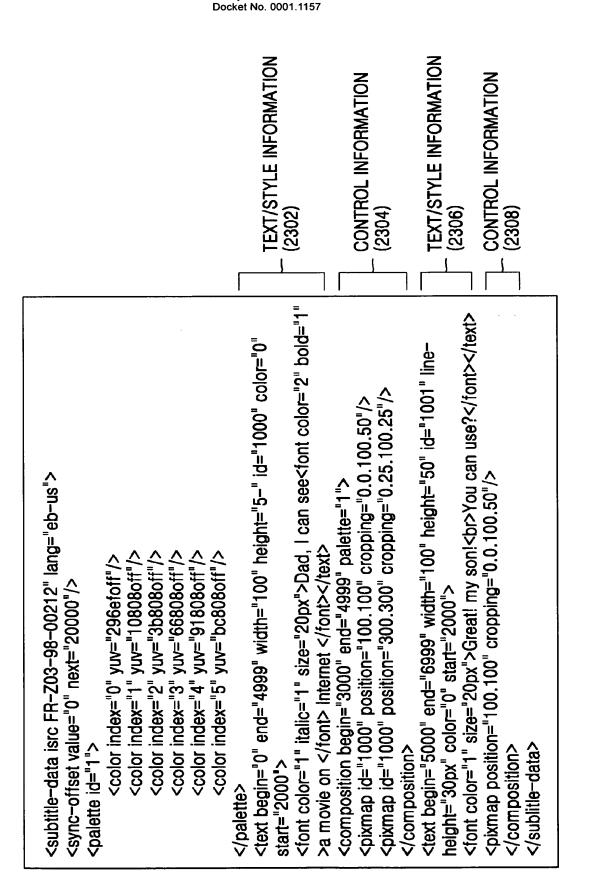


FIG. 24

